BRUHATH BANGALORE MAHANAGARA PALIKE

DETAILED ESTIMATE FOR DEVELOPMENT AND IMPROVEMENTS TO ROADS AND DRAINS IN MAIN ROAD AND CROSS ROADS OF WARD NO. 06 THANISANDRA

Est. Cost 5000000.00

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
1	2	3	4	5	6	7	8	9
1	Removing B.S slab of Drain and stacking (Page No.25, Item No. 5.32)							
	Hegadenagara 2nd main							
	L/side	1	30.00	1.65		49.50		
		1	320.00	1.65		528.00		
	9th Cross	2	40.00	1.65		132.00		
	10th Cross	2	30.00	1.65		99.00		
						808.50		
	Deduct 30% for Missing slabs qnty					242.55		
						565.95	63.72	36062.00
	Basic Rate 59.00						Per Sqm	
	Add A.W. 8% 4.72							
	TOTAL 63.72							
2	Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.25, Item No. 5.33)							
	Qnty of vide item No. 1					565.95		
						565.95	78.84	44619.00
	Basic Rate 73.00						Per Sqm	
	Add A.W. 8% 5.84							
	TOTAL 78.84							
3	KSRRB 300-1 : Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 metres and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH /Chapter 3 (Page No.141, Item No. 19.1)							
	Hegadenagara 2nd main							
	L/side	1	30.00	0.55	0.35	5.78		
		1	320.00	0.55	0.35	61.60		
	9th Cross	2	40.00	0.50	0.25	10.00		
	10th Cross	2	30.00	0.50	0.25	7.50		
						84.88	83.16	7058.00

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	Basic Rate		77.00				Per Cum	
	Add A.W. 8%		6.16					
	TOTAL		**83.16**					
4	KSRB 2 - 2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.Specification No.KBS 2.1(b) / 2.3.5 (Page No.5, Item No. 2.4)							
	RCC drain bottom slab 2nd main L/side	1	30.00	1.00	0.80	24.00		
		1	320.00	1.00	0.80	256.00		
	9th Cross	2	40.00	1.00	0.80	64.00		
	10th Cross	2	30.00	1.00	0.80	48.00		
	Culvert 9th cross & 10th cross	2	7.50	1.95	0.90	26.33		
	2nd main & in front of Jain heights korona	2	6.00	1.95	0.90	21.06		
						439.39		
	Deduction for desilting of drians Quanitiotu					84.88		
					Net Qnty	**354.51**	288.36	102227.00
	Basic Rate	267.00					Per Cum	
	Add A.W. 8%	21.36						
	TOTAL	**288.36**						
5	KSRB 4 - 1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth,including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.3)							
	RCC drain bottom slab 2nd main L/side	1	30.00	0.90	0.15	4.05		
		1	320.00	0.90	0.15	43.20		
	9th Cross	2	40.00	0.90	0.15	10.80		
	10th Cross	2	30.00	0.90	0.15	8.10		
	Culvert 9th cross & 10th cross	2	7.50	1.95	0.15	4.39		

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	2nd main & in front of Jain heights korona	2	6.00	1.95	0.15	3.51		
						74.05	5070.60	375465.00
	Basic Rate	4695.00					Per Cum	
	Add A.W. 8%	375.60						
	TOTAL	**5070.60**						
6	KSRB 5.2-3 : Providing and constructing granite / trap/ basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.KBS 5.1.13(Page No.23, Item No. 5.6)							
	Culverts Foundations	4	7.50	0.60	0.35	6.30		
		4	6.00	0.60	0.35	5.04		
						11.34	4135.32	46895.00
	Basic Rate	3829.00					Per Cum	
	Add A.W. 8%	306.32						
	TOTAL	**4135.32**						
7	KSRB 5.3-3 : Providing and constructing granite / trap/ basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing, complete as per specifications.KBS 5.1.13 (Page No.23, Item No. 5.9)							
	Basement	4	7.50	0.50	0.45	6.75		
		4	6.00	0.50	0.45	5.40		
						12.15	4905.36	59600.00
	Basic Rate	4542.00					Per Cum	
	Add A.W. 8%	363.36						
	TOTAL	**4905.36**						

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
8	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum fine aggregates @ 0.459 cum, with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery curing, complete as per specifications.Specification No.KBS 4.1, 4.6 (Page No.13, Item No. 4.11)							
	RCC drain bottom slab 2nd main L/side	1	30.00	0.90	0.15	4.05		
		1	320.00	0.90	0.15	43.20		
	9th Cross	2	40.00	0.90	0.15	10.80		
	10th Cross	2	30.00	0.90	0.15	8.10		
	side walls 2nd main L/Side	2	30.00	0.15	0.75	6.75		
		2	320.00	0.15	0.75	72.00		
	9th Cross	4	40.00	0.15	0.60	14.40		
	10th Cross	4	30.00	0.15	0.60	10.80		
	Culverts covering slabs	24	1.80	0.60	0.20	5.18		
		20	1.80	0.60	0.20	4.32		
						179.60	6198.12	1113207.00
							Per Cum	
	Basic Rate	5739.00						
	Add A.W. 8%	459.12						
	TOTAL	**6198.12**						
9	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. for TMT Bars Fe 500 Specification No.KBS 4.6.3 (Page No.17, Item No. 4.46.2)							
	For Culvert .0.95 tonnes,s / Cum					17.06		
						17.06	70509.96	1202900.00
							Per Tonne	
	Basic Rate	65287.00						
	Add A.W. 8%	5222.96						

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	TOTAL	**70509.96**						

10 KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (Page No.15, Item No. 4.31)

side walls 2nd main L/Side	4	30.00		0.75	90.00	
	4	320.00		0.75	960.00	
9th Cross	8	40.00		0.70	224.00	
10th Cross	8	30.00		0.70	168.00	
					1442.00	306.72	442290.00
Basic Rate	284.00					Per Sqm	
Add A.W. 8%	22.72						
TOTAL	**306.72**						

11 KSRB 15.1.3 : Providing ruled pointing to course stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No.112, Item No. 15.3)

Basement	4	7.50		0.60	18.00	
	4	6.00		0.60	14.40	
					32.40	99.36	3219.00
Basic Rate	92.00					Per Sqm	
Add A.W. 8%	7.36						
TOTAL	**99.36**						

12 KSRB 4 - 1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (Page No.12, Item No. 4.6)

Basement coping concrete	4	7.50	0.50	0.15	2.25
	4	6.00	0.50	0.15	1.80
vent concrete	2	7.50	0.60	0.10	0.90
	2	6.00	0.60	0.10	0.72
Approaches	4	7.50	0.60	0.15	2.70

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
		4	6.00	0.60	0.15	2.16		
	House entramce gate portion approaches	12	3.00	0.35	0.10	1.26		
		10	1.50	0.40	0.10	0.60		
						12.39	5490.72	68030.00
							Per Cum	
	Basic Rate	5084.00						
	Add A.W. 8%	406.72						
	TOTAL	**5490.72**						
13	Providing a granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete for 7.5 cms thick (Page No.25, Item No. 5.31.1)							
	RCC darin bottom 2nd main							
	L/side	1	30.00	0.90		27.00		
		1	320.00	0.90		288.00		
	9th Cross	2	40.00	0.90		72.00		
	10th Cross	2	30.00	0.90		54.00		
						441.00	663.12	292436.00
	Basic Rate	614.00					Per Sqm	
	Add A.W. 8%	49.12						
	TOTAL	**663.12**						
14	KSRB 5-8.1 : Providing one line dressing to granite stone slab/granite stone masonry as per specifications. KBS 5.1.13 (Page No.24, Item No. 5.17)							
	RCC darin bottom 2nd main							
	L/side	1	30.00	0.90		27.00		
		1	320.00	0.90		288.00		
	9th Cross	2	40.00	0.90		72.00		
	10th Cross	2	30.00	0.90		54.00		
						441.00	555.12	244808.00
	Basic Rate	514.00					Per Sqm	
	Add A.W. 8%	41.12						
	TOTAL	**555.12**						
15	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specification(only chamfered length shall be recorded) KBS 5.1.13 (Page No.24, Item No. 5.22)							
	RCC darin bottom 2nd main							
	L/side		574.00	3.00		1722.00		
			130.00	3.00		390.00		
			96.00	3.00		288.00		
						2400.00	35.64	85536.00
	Basic Rate	33.00					Per Mtr	
	Add A.W. 8%	2.64						

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
	TOTAL		**35.64**					
16	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete. of size 450 x 200 x 400 mm (Page No.25, Item No. 5.29.1)							
	RCC darin bottom 2nd main							
	L/side	1	30.00			30.00		
		1	320.00			320.00		
	9th Cross	2	40.00			80.00		
	10th Cross	2	30.00			60.00		
						490.00		
				490.00	/ 0.45	**1088.89**	373.68	406896.00
	Basic Rate		346.00				Per Nos	
	Add A.W. 8%		27.68					
	TOTAL		**373.68**					
17	KSRB 15.17.5 : Applying priming coat over new wood surface and/or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials labour, complete as per specifications. (Page No.118, Item No.15.59)							
	Kerb Stone painting							
	RCC darin bottom 2nd main							
	L/side	1	30.00		0.40	12.00		
		1	320.00		0.40	128.00		
	9th Cross	2	40.00		0.40	32.00		
	10th Cross	2	30.00		0.40	24.00		
						196.00	42.12	8256.00
	Basic Rate		39.00				Per Sqm	
	Add A.W. 8%		3.12					
	TOTAL		**42.12**					
18	KSRB 15.17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. (Page No.118, Item No.15.60.1)							
	Kerb Stone painting Qnty vide item No. 17					196.00		
						196.00	87.48	17146.00
	Basic Rate		81.00				Per Sqm	
	Add A.W. 8%		6.48					
	TOTAL		**87.48**					

Sl. No.	Description	Dimensions				Qty.	Rate	Amount
		No.	L.	B.	D			
17	Lead charges for conveying the excavated earth including loading and unloading upto 13 kms as per directions							
	Qty.v ide item No. 2 + 5					506.40		
						506.40	100.60 Per Cmtr	50944.00
								4587001.00
18	Add 8% for KRIDL charges							366960.00
19	Add 1% for Consultancy charges							45870.00
20	Miscelenous & unforcein charges							169.00
							GRAND TOTAL Rs.	**5000000.00**

CERTIFICATE

1 The work spot have been inspected by me and work is found to be necessary.
2 This estimate is prepared as per CSR of 2015-16
3 This work is not split up
4 The provisions were made in this estimate are adequete and essential
5 This works comes under BBMP Limits

Asst.Engineer
Ward No. 06

Asst.Executive Engineer
Sub Division
B.B.M.P.

Executive Engineer 18/3/16
Byatarayanapura Division
B.B.M.P.

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 lakhs
Rupees Fifty lakhs only
Under P 3110
Registered at SE ( ) No. 99
Subject to conditions contained in
enclosed memo EE ( ) No. /9/
Dt Estimate A/Sanctioned
J.C(Y)/EE(RS)/88/15-16
dated 19-3-2016 Rs 50.00 lakhs.

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Technical Sanction
Accorded For 50.00 lakhs
Head of A/C P-3110
CER NO : 09 Dt: 05.4.16

TA CE (YNK)